



IN THE CLAIMS

32. (Currently Amended) A method for producing on a hologram recording tape a plurality of volume-type main-holograms, each of the plurality of main-holograms being substantially the same, and a plurality of volume-type sub-holograms formed in the hologram recording tape, each one of the plurality of volume-type sub-holograms being disposed adjacent a respective one of the plurality of volume-type main-holograms, each one of the plurality of volume-type sub-holograms being different from all others of the plurality of volume-type sub-holograms, comprising the steps of:

coupling the hologram recording tape with a master hologram plate comprising a reflective area adjacent to the main-hologram to be duplicated; and

irradiating the master hologram plate with a laser beam to form multiple duplicates of the master hologram in the hologram recording tape;

wherein each of the volume-type sub-holograms being formed in the hologram recording tape by a laser beam at the same time or sequentially and in a different area ~~or the same area as~~ than the respective one of the main-holograms and each of the plurality of sub-holograms indicating information substantially specific to each of the plurality of volume-type main-holograms corresponding to an image in the reflective element.

33. (Previously Presented) The method according to claim 32, wherein each of the plurality of volume-type main-holograms is formed at a predetermined interval in the hologram recording tape.

34. (Previously Presented) The method according to claim 32, wherein each of the plurality of volume-type sub-holograms indicates a serial number of the adjacent respective one of the plurality of adjacent hologram.

35. (Previously Presented) The method according to claim 32, wherein the hologram recording tape comprises a photo-polymer.

36. (Previously Presented) The method according to claim 32, wherein each of the plurality of volume-type main-holograms comprises a hologram combiner.

37. (Previously Presented) The method according to claim 32, wherein each of the plurality of volume-type main-holograms comprises a diffusion reflection hologram.

38. (Previously Presented) A method for producing on a hologram recording tape a plurality of main-holograms, each of the plurality of main-holograms being substantially the same, and a plurality of sub-holograms formed in the hologram recording tape, each one of the plurality of sub-holograms being disposed adjacent a respective one of the plurality of the main-holograms, each one of the plurality of sub-holograms being different from all others of the plurality of sub-holograms, comprising the steps of:

coupling the hologram recording tape with a master hologram plate; and

irradiating the master hologram plate with a laser beam to form multiple duplicates of the master hologram in the hologram recording tape;

wherein a mask of a liquid crystal diode device is provided in the master hologram plate adjacent to the master hologram to be duplicated such that irradiating the liquid crystal diode device records information corresponding to the pattern of the liquid crystal diode device in the recording tape within the plurality of the sub-holograms.

39. (Previously Presented) The method according to claim 38, wherein each of the plurality of the main-holograms is formed at a predetermined interval in the hologram recording tape.

40. (Previously Presented) The method according to claim 38, wherein each of the plurality of the sub-holograms indicates a serial number of the adjacent respective one of the plurality of adjacent hologram.

41. (Previously Presented) The method according to claim 38, wherein the hologram recording tape comprises a photo-polymer.

42. (Previously Presented) The method according to claim 38, wherein each of the plurality of main-holograms comprises a hologram combiner.

43. (Previously Presented) The method according to claim 38, wherein each of the plurality of main-holograms comprises a diffusion reflection hologram.